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NPIC/R-156/62

November 1962

PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART II
MISSION 9047

5 - 9 NOVEMBER 1962



ARMY



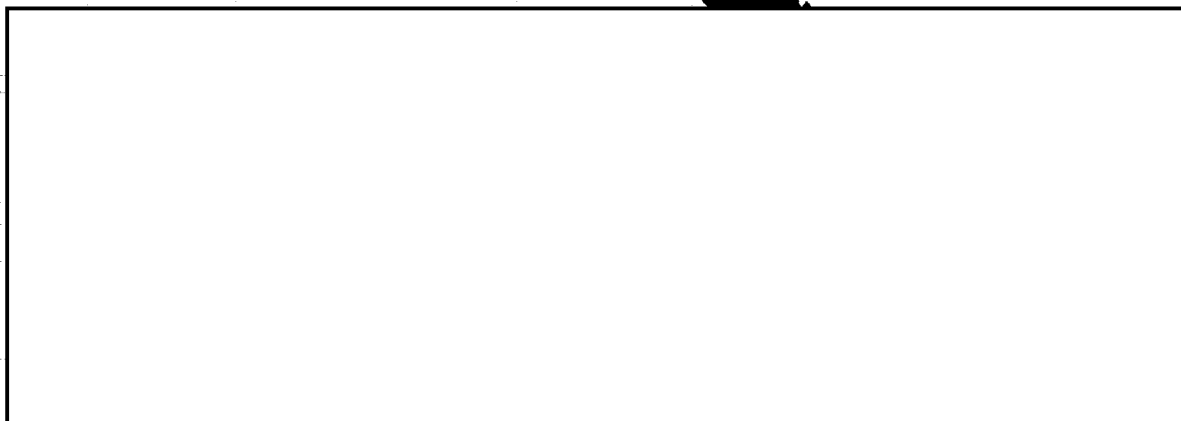
NAVY



AIR FORCE

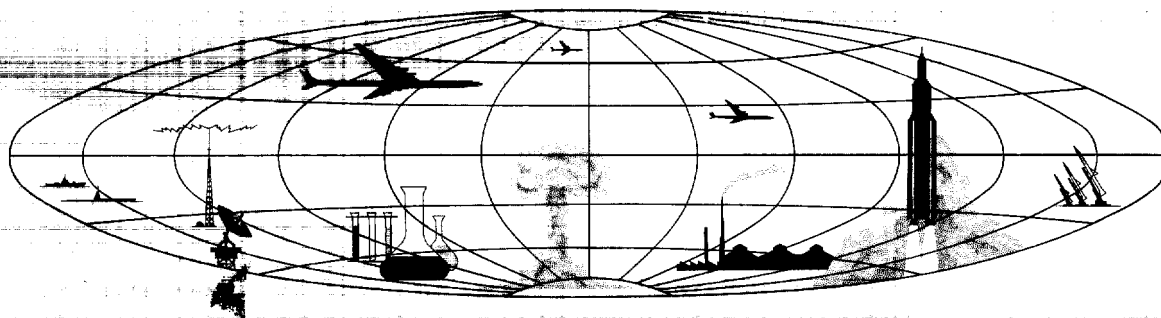


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OAK-PART II

MISSION 9047

PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT BASED ON MISSION 9047 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 1500 HOURS, 14 NOVEMBER 1962, TO 1600 HOURS, 15 NOVEMBER 1962.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY (BONUS TARGETS) OBSERVED FOLLOW APPROPRIATE COMOR TARGETS. IN ADDITION, THIS REPORT CONTAINS AN INDEX OF ALL THE COMOR TARGETS ASSIGNED FOR THE OAK SCAN OF MISSION 9047. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED FOLLOW THE DESCRIPTION OF THE TARGET. PHOTOGRAPHIC PASS NUMBERS ARE PREFIXED WITH THE LETTER D FOR DESCENDING (NORTH-TO-SOUTH). THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESES FOLLOWING THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS KH-4 (1) APR 62. OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY FROM MISSION 9047 WAS ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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SUMMARYSTATUS OF COMOR TARGET READOUT

A TOTAL OF 91 TARGETS WERE OBSERVED DURING THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT.

SUMMARY OF MISSILE ACTIVITY

THE FOLLOWING IS A COMPILATION OF MISSILE FACILITIES OBSERVED ON MISSION 9047. THIS COMPILATION INCLUDES ONLY THOSE FACILITIES WHICH HAVE BEEN IDENTIFIED FOR THE FIRST TIME FROM PHOTOGRAPHY. --

| TYPE | PART I | PART II | TOTAL |
|-------------------|--------|---------|-------|
| ICBM LAUNCH AREAS | 1 | 3 | 4 |

HIGHLIGHTS

NORTH OF CHITA, THREE UNIDENTIFIED CIRCULAR AREAS ARE OBSERVED AT THE LOCATION OF THE TWO CIRCULAR AREAS PREVIOUSLY OBSERVED ON

AIRCRAFT OBSERVED AT ENGELS AIRFIELD INCLUDE 34 LARGE SWEPT-WING, 12 MEDIUM SWEPT-WING, AND 3 STRAIGHT-WING.

THE SERPUKHOV RADIO TELESCOPE IS OBSERVED FOR THE FIRST TIME ON KEYHOLE PHOTOGRAPHY.

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MISSILES

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[REDACTED] POLYARNYY URAL SUSPECT ICBM AREA 6703N 06524E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF POLYARNYY. ONLY NORTHERN TWO-THIRDS OF SEARCH AREA VISIBLE.

25X1

25X1

[REDACTED] ARKHANGELSK SUSPECT ICBM AREA 6432N 04032E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS NE OF ARKHANGELSK.

25X1

25X1

[REDACTED] SVOBODNYI ICBM LAUNCH COMPLEX 5146N 12807E

NO CHANGES OBSERVED AT LAUNCH AREA A, COMPLEX SUPPORT FACILITY, OR TRANSFER POINT. LAUNCH AREAS B AND C (BOTH TYPE II) ARE NOW COMPLETE. AREA C CONTAINS TWO MISSILE-READY BUILDINGS BEHIND THE LEFT LAUNCH PAD. ONE IS IN LINE WITH THE LEFT PAD AND THE OTHER IS CANTED TO IT AND PROBABLY IS INTENDED TO SERVE THE RIGHT PAD.

A NEW LAUNCH AREA (AREA D) IN AN EARLY STAGE OF CONSTRUCTION IS LOCATED AT 52-00N 128-06E, 6 NM NORTH OF AREA A (ATTACHMENT 1). CONSTRUCTION IS UNDERWAY ON THE LOOP ROADS AND PADS AND A CLEARING FOR ONE MISSILE-READY BUILDING CAN BE IDENTIFIED. EIGHT BARRACK-TYPE BUILDINGS ARE LOCATED IN THE LAUNCH SUPPORT AREA. LAUNCH AREA D IS ORIENTED ON THE SAME AZIMUTH AS THE OTHERS.

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TWO SMALL UNIDENTIFIED AREAS (PREVIOUSLY REPORTED) ARE LOCATED 0.5 AND ONE NM RESPECTIVELY NORTH OF THE ROAD SERVING LAUNCH AREA B. THE FORMER CONTAINS EIGHT BARRACK-TYPE BUILDINGS, 2 SMALLER BUILDINGS, AND 2 APPARENTLY UNOCCUPIED SMALL FENCED SECTIONS. THE SECOND OF THE TWO AREAS CONTAINS 4 BARRACK-TYPE BUILDINGS AND TWO SMALLER BUILDINGS. THESE TWO AREAS ARE SEPARATE FROM THE SUPPORT AREA SERVING LAUNCH AREA B.

A NEW AREA OF ACTIVITY IS LOCATED ON THE EAST SIDE OF THE COMPLEX MAIN ROAD ABOUT MIDWAY BETWEEN LAUNCH AREAS A AND B. IT IS UNSECURED AND CONTAINS SEVEN BARRACK-TYPE BUILDINGS. IMMEDIATELY ACROSS THE ROAD IS AN OLD BORROW PIT.

25X1

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON

LAUNCH AREA A -
LAUNCH AREA B -
LAUNCH AREA C -
LAUNCH AREA D -
COMPLEX SUPPORT
TRANSFER POINT -

25X1

25X2

25X1

OMSK ICBM LAUNCH COMPLEX 5503N 07330E

NO APPARENT CHANGE SINCE MISSION. SNOW COVER AND POOR IMAGE QUALITY PRECLUDE A DETAILED INTERPRETATION.

25X1

25X1

25X1

YEDROVO ICBM LAUNCH COMPLEX 5751N 03341E

A FOURTH LAUNCH AREA (AREA D), LOCATED 6.5 NM. SOUTHWEST OF THE COMPLEX SUPPORT FACILITY AT

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TOP SECRET

25X1

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5748N 03329E, HAS BEEN NEWLY IDENTIFIED AT THE COMPLEX. IT IS SERVED BY AN EXTENSION OF THE ROAD RUNNING TO LAUNCH AREA A. IN CONFIGURATION IT RESEMBLES THE OTHER LAUNCH AREAS IDENTIFIED AT THE COMPLEX. THE ROAD PATTERN AND THE POSITION FOR THE LAUNCH PADS AND AT LEAST ONE READY BUILDING ARE EVIDENT, BUT POOR QUALITY PRECLUDES A DETAILED INTERPRETATION. NO AREA IN SUPPORT OF THIS LAUNCH AREA HAS BEEN IDENTIFIED. THIS LAUNCH AREA WAS NOT PRESENT ON [REDACTED]. HOWEVER, THE ROAD LEADING TO THE GENERAL AREA WAS PRESENT ON MISSION [REDACTED]

NO SIGNIFICANT CHANGES ARE APPARENT AT LAUNCH AREA A, THE COMPLEX SUPPORT FACILITY, THE TRANSFER POINT, A SECURED UNIDENTIFIED AREA, OR AN AREA OF APPROXIMATELY 20 BUILDINGS BETWEEN THE UNIDENTIFIED SECURED AREA AND LAUNCH AREA B. THE PHOTOGRAPHY DID NOT COVER EITHER LAUNCH AREA B OR PROBABLE LAUNCH AREA C.



[REDACTED] BELOGORSK SUSPECT SSM AREA 5055N 12828E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF BELOGORSK. POOR IMAGE QUALITY PRECLUDES DETAILED SEARCH.



[REDACTED] MURMANSK SUSPECT SSM AREA 6858N 03305E

NO SSM ACTIVITY NOTED IN CLEAR AREAS WITHIN 50-NM RADIUS OF MURMANSK. DARKNESS AND CLOUDS PRECLUDE A DETAILED SEARCH.

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TOP SECRET

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25X1

[REDACTED] BEZHETSK SUSPECT SSM AREA 5747N 03641E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN 25-NM RADIUS OF BEZHETSK.

25X1

25X1

[REDACTED] KIMRY SUSPECT SSM AREA 5652N 03721E

NO SSM ACTIVITY OBSERVED IN CLEAR PORTIONS OF THE WESTERN HALF OF THE SEARCH AREA. EASTERN HALF OBSCURED.

25X1

25X1

[REDACTED] KOLOZERO SUSPECT ICBM AREA 6810N 03320E

NO ICBM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN 50-NM RADIUS OF KOLOZERO. SEARCH HINDERED BY POOR IMAGE QUALITY AND CLOUDS.

25X1

25X1

[REDACTED] KOZELSK ICBM LAUNCH COMPLEX 5357N 03548E

ENTIRE COMPLEX IS COVERED BY CLOUD-FREE PHOTOGRAPHY OF FAIR-TO-POOR QUALITY AND LOW CONTRAST. THREE NEWLY IDENTIFIED AREAS (LAUNCH AREA D, AN AREA OF UNIDENTIFIED ACTIVITY, AND A SMALL BUILDING AREA) HAVE BEEN OBSERVED, AS WELL AS THE PREVIOUSLY REPORTED 3 LAUNCH AREAS, TRANSFER POINT, AND COMPLEX SUPPORT FACILITY (ATTACHMENT 3). LAUNCH AREA D, SIMILAR TO THE OTHER 3 LAUNCH AREAS, IS 4 NM SE OF THE COMPLEX SUPPORT FACILITY AT 53-54N 035-51E. IT CONSISTS OF THE USUAL ROAD PATTERN ASSOCIATED WITH TYPE IV LAUNCH AREAS, CLEARINGS FOR TWO LAUNCH PADS, ONE MISSILE-READY BUILDING, AND A CLEARING FOR A POSSIBLE SECOND READY BUILDING. NO SECURITY FENCING OR A POSSIBLE PLUS-CONFIGURATION GUIDANCE FACILITY SUCH AS THAT IDENTIFIED AT LAUNCH AREA B HAVE BEEN IDENTIFIED. EIGHT BARRACK-TYPE BUILDINGS AND POSSIBLY 3 OR 4 OTHER

TOP SECRET

25X1

TOP SECRET

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SMALLER STRUCTURES CONSTITUTE THE PRESENT LAUNCH SUPPORT. THERE WAS EVIDENCE OF ACTIVITY AT THIS LAUNCH AREA ON [REDACTED] ON MISSION [REDACTED] OF THE 8 BARRACKS-TYPE BUILDINGS AND SEVERAL SMALL CLEARINGS WERE EVIDENT.

25X1

- 25X1

THE AREA OF UNIDENTIFIED ACTIVITY LOCATED 4 NM SW OF LAUNCH AREA A AT 53-52N 035-41E CONSISTS OF THREE SMALL SCARRED AREAS. ONE CONTAINS 4 PROBABLE BUILDINGS, THE SECOND IS JUST A CLEARING, AND THE THIRD CONTAINS TWO STRUCTURES. THE ROAD SERVING THE AREA IS A CONTINUATION OF THE ROAD SERVING LAUNCH AREA A.

THE SMALL BUILDING AREA LOCATED 6.5 NM SOUTH OF LAUNCH AREA C AT 53-41N 035-39E IS HEAVILY WOODED. IT CONSISTS OF TWO GROUPS OF BUILDINGS, ONE GROUP OF 3 AND ANOTHER OF 4-6 BUILDINGS, AND A HEAVILY SCARRED AREA. THE BUILDINGS ARE QUITE SIMILAR TO THE BARRACKS-TYPE BUILDINGS FOUND AT THE LAUNCH SUPPORT AREAS. THIS AREA IS SERVED BY UNIMPROVED TRAILS OR ROADS AND THERE IS NO DIRECT CONNECTION WITH ANY OF THE COMPLEX SERVICE ROADS. CLOUD COVER AND INCOMPLETE COVERAGE PRECLUDE ACCURATE DATING OF THIS ACTIVITY.

NO SIGNIFICANT CHANGES ARE APPARENT AT THE OTHER THREE LAUNCH AREAS. EACH CONTAINS WHAT APPEARS TO BE AN INCOMPLETE ROAD PATTERN AND CLEARINGS FOR LAUNCH PADS. ONE READY BUILDING AND A POSSIBLE SECOND READY BUILDING ARE PRESENT AT AREAS A AND B. CLEARINGS FOR TWO READY BUILDINGS ARE OBSERVED AT AREA C. THE SUPPORT AREA AT AREA B HAS 20 BARRACK-TYPE BUILDINGS, AREA C HAS 10 AND AREA A, 6. ABOUT 7,000 FEET SW OF AREA A IS A SECOND GROUP OF 12 BUILDINGS.

THE CONSTRUCTION STATUS OF THE FOUR LAUNCH AREAS CANNOT BE ACCURATELY DETERMINED SINCE NONE OF THIS TYPE HAS BEEN OBSERVED IN A COMPLETED STAGE. HOWEVER, NONE OF THESE FOUR ARE CONSIDERED COMPLETE. THE TRANSFER POINT CONSISTS OF 2 LOOP ROADS ADJOINING A RAIL SPUR, A HARDSTAND, AND 2 POSSIBLE BUILDINGS. THE COMPLEX SUPPORT FACILITY CONSISTS OF 22 BARRACKS/STORAGE-TYPE BUILDINGS AND PROBABLE OPEN STORAGE AREAS BETWEEN THE SPURS. TO THE WEST IS A HOUSING AREA CONTAINING AT LEAST 15 BARRACKS BUILDINGS AND 17 DUPLEX HOUSES.

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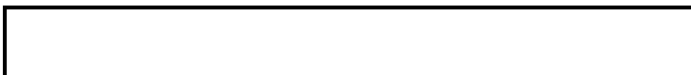


25X1

[REDACTED] KHANTY MANSIYSK SUSPECT SSM AREA 6101N 06902E

NO SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF
KHANTY MANSIYSK.

25X1

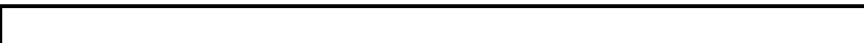


25X1

[REDACTED] ABAZA SUSPECT SSM AREA 5239N 09006E

NO SSM ACTIVITY OBSERVED IN CLEAR PORTIONS WITHIN
50-NM RADIUS OF ABAZA. EASTERN HALF OF SEARCH AREA
NOT COVERED.

25X1



25X1

[REDACTED] NERCHINSK SUSPECT SSM AREA 5158N 11635E

NO SSM ACTIVITY NOTED WITHIN 50-NM RADIUS OF
NERCHINSK. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1



25X1

[REDACTED] CHERNOGORSK SUSPECT SSM AREA 5352N 09120E

NO SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF
CHERNOGORSK. SCATTERED CLOUDS AND POOR IMAGE QUALITY
PRECLUDE DETAILED SEARCH.

25X1



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TOP SECRET

25X1

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25X1

KOLMAKOVO SUSPECT SSM AREA 5338N 09229E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN A
25-NM RADIUS OF KOLMAKOVO.

25X1

MALINOVKA AREA SSM SEARCH 5310N 09335E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN A
25-NM RADIUS OF 53-10N 093-35E.

25X1

25X1

TALLINN SUSPECT MRBM AREA 5924N 02444E

ONLY SMALL AREA SE OF TALLINN VISIBLE. NO SSM
ACTIVITY OBSERVED.

25X1

KAMENETS-PODOLSKIY MRBM LAUNCH SITE 4851N 02642E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED IN SEARCH
AREA. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

25X1

GRANOV MRBM LAUNCH SITE 4856N 02930E

NO OTHER MRBM OR IRBM SITES OBSERVED IN CLEAR PORTIONS
OF SEARCH AREA. GRANOV SITE AND EASTERN PORTIONS OF
SEARCH AREA NOT COVERED BY PHOTOGRAPHY.

25X1

OSTROG POSS MRBM LAUNCH SITE 1 5014N 02644E

NO NEW SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF
OSTROG.

25X1

TOP SECRET

25X1

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25X1

KIVERTSY MRBM LAUNCH SITE 1 5052N 02531E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN
25-NM RADIUS OF KIVERTSY MRBM LAUNCH SITE 1.
POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

ZNAMENSK MRBM LAUNCH SITE 1 5433N 02112E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED. POOR IMAGE
QUALITY PRECLUDES NEGATION.

25X1

GUSEV MRBM LAUNCH SITE 1 5441N 02206E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED. POOR IMAGE
QUALITY PRECLUDES NEGATION.

25X1

25X1

SKALA-PODOLSKAYA MRBM LAUNCH SITE 1 4851N 02608E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED IN SEARCH
AREA.

25X1

BALTA MRBM LAUNCH SITE 1 4802N 02933E

NO HARDENED SITE OBSERVED IN VISIBLE PORTION OF
SEARCH AREA. EASTERN PORTION NOT COVERED BY
PHOTOGRAPHY.

25X1

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25X1

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25X1

PAPLAKA MRBM LAUNCH SITE 1 5622N 02117E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

ASANOVSHCHINA MRBM LAUNCH SITE 5731N 02813E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED. ASANOVSHCHINA SITE NOT OBSERVED. CLOUDS AND HAZE PRECLUDE DETAILED SEARCH.

25X1

JONAVA MRBM LAUNCH SITE 1 5501N 02414E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

25X1

IVANOVO MRBM LAUNCH SITE 5210N 02541E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED IN SEARCH AREA. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

UKMERGE MRBM LAUNCH SITE 1 5511N 02442E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

KROLEVETS MRBM LAUNCH SITE 1 5136N 03328E

CONSTRUCTION AT THIS INLINE LAUNCH SITE APPEARS COMPLETE.

TOP SECRET

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25X1

TOP SECRET

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25X1

25X1

PRUZHANY MRBM LAUNCH SITE 1 5230N 02408E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN
25-NM RADIUS OF PRUZHANY MRBM LAUNCH SITE 1. POOR
IMAGE QUALITY PRECLUDES NEGATION.

25X1

LEBEDIN MRBM LAUNCH SITE 1 5033N 03426E

LAUNCH SITE APPEARS COMPLETE. NO HARDENED MRBM OR
IRBM SITE OBSERVED WITHIN 25-NM RADIUS OF LEBEDIN
MRBM LAUNCH SITE 1. POOR IMAGE QUALITY PRECLUDES
NEGATION.

25X1

LIDA MRBM LAUNCH SITE 1 5347N 02521E

THIS SITE APPEARS COMPLETE, AS DOES LIDA 2.

25X1

VSELYUB MRBM LAUNCH SITE 1 5346N 02542E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN
25-NM OF VSELYUB MRBM LAUNCH SITE 1. POOR IMAGE
QUALITY PRECLUDES NEGATION.

25X1

25X1

DYATLOVO MRBM LAUNCH SITE 5333N 02516E

NO HARDENED MRBM OR IRBM ACTIVITY NOTED WITHIN 25-NM
RADIUS OF DYATLOVO MRBM LAUNCH SITE 1. POOR IMAGE
QUALITY PRECLUDES NEGATION.

25X1

TOP SECRET

25X1

TOP SECRET

25X1

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25X1

BYTEN MRBM LAUNCH SITE 1 5252N 02521E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN
25-NM RADIUS OF BYTEN MRBM LAUNCH SITE 1. POOR IMAGE
QUALITY PRECLUDES NEGATION.

25X1

ZIPSER NEUDORF SUSPECT MRBM AREA (CZECH) 4857N 02034E

NO SSM ACTIVITY OBSERVED IN CLEAR PORTIONS OF 15-NM
RADIUS OF ZIPSER NEUDORF. ENTIRE AREA COVERED BY
HAZE.

25X1

ZELENA-FRYDEK SUSPECT MRBM AREA (CZECH) 4941N 01821E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN 15-NM
RADIUS OF ZELENA-FRYDEK.

25X1

25X1

RUZOMBEROK SUSPECT MRBM AREA (CZECH) 4905N 01919E

NO MRBM SITE OBSERVED IN CLOUD-FREE AREAS WITHIN
15-NM OF RUZOMBEROK.

25X1

KRUPA MRBM LAUNCH SITE 1 5248N 02442E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN
25-NM RADIUS OF LAUNCH SITE. POOR IMAGE QUALITY
PRECLUDES NEGATION.

25X1

TOP SECRET

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TOP SECRET

25X1

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25X1

AKHTYRKA MRBM LAUNCH SITE 1 5015N 03450E

NO HARDENED MRBM OR IRBM SITE OBSERVED WITHIN A 25-NM RADIUS. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

BREST MRBM LAUNCH SITE 1 5149N 02401E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED IN SEARCH AREA. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

ZHMERINKA MRBM LAUNCH SITE 4910N 02804E

NO APPARENT CHANGE SINCE MISSION

25X1

25X1

25X1

ZHITOMIR MRBM LAUNCH SITE 1 5004N 02816E

SITE APPEARS COMPLETE. NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF ZHITOMIR MRBM LAUNCH SITE 1. EASTERN HALF OF SEARCH AREA NOT COVERED.

25X1

KIVERTSY MRBM LAUNCH SITE 3 5058N 02539E

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF KIVERTSY MRBM LAUNCH SITE 3.

25X1

GRODNO SUSPECT MRBM AREA 5339N 02350E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN 25-NM RADIUS OF GRODNO. SEARCH AREA IS APPROXIMATELY 50

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TOP SECRET

25X1

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25X1



25X1



VECZVARDE SUSPECT SSM AREA 5634N 02240E

NO NEW SSM ACTIVITY NOTED WITHIN 25-NM OF VECZVARDE.
POOR IMAGE QUALITY PRECLUDES NEGATION.



25X1

NIGRANDE MRBM LAUNCH SITE 5631N 02202E

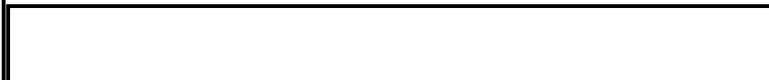
NO MATCHING MRBM LAUNCH SITE OBSERVED IN SEARCH AREA.
PHOTOGRAPHIC COVERAGE IS INCOMPLETE.



25X1

BERDICHEV MRBM LAUNCH COMPLEX 5006N 02822E

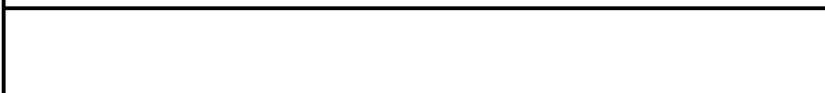
SITE APPEARS COMPLETE. NO HARDENED MRBM OR IRBM
ACTIVITY OBSERVED IN CLEAR PORTIONS WITHIN 25-NM
RADIUS OF BERDICHEV MRBM LAUNCH COMPLEX. EASTERN
PORTION OF SEARCH AREA NOT COVERED.



25X1

KROLEVETS MRBM LAUNCH SITE 2 5140N 03330E

CONSTRUCTION AT THIS INLINE LAUNCH SITE APPEARS
COMPLETE.



25X1

SHCHUCHIN SUSPECT MRBM AREA 5336N 02445E

NO NEW SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN
A 25-NM RADIUS OF SHCHUCHIN.

TOP SECRET

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TAURAGE MRBM LAUNCH SITE 3 5505N 02219E

LAUNCH SITE IS IN A LATE STAGE OF CONSTRUCTION OR IS COMPLETE. IT IS IRREGULAR IN CONFIGURATION.

NO HARDENED MRBM OR IRBM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN A 25-NM RADIUS OF TAURAGE MRBM LAUNCH SITE 1. ONLY EASTERN PORTION OF SEARCH AREA VISIBLE. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

MARIJAMPOLE SUSPECT MRBM AREA 5433N 02321E

NO SSM ACTIVITY OBSERVED IN VISIBLE PORTIONS WITHIN 10-NM RADIUS OF MARIJAMPOLE. PHOTOGRAPHIC COVERAGE OF SEARCH AREA INCOMPLETE.

25X1

VENTSPILS SUSPECT MRBM SITE 5730N 02135E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN 15-NM RADIUS OF VENTSPILS. POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

SKRUNDA HARDENED MRBM/IRBM LAUNCH SITE 5635N 02149E

ONLY 5 SUPPORT BUILDINGS VISIBLE. POOR IMAGE QUALITY PRECLUDES DETAILED INTERPRETATION.

25X1

TOP SECRET

25X1

TOP SECRET

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25X1

BOLEKHOV HARDENED MRBM/IRBM LAUNCH SITE 4906N 02351E

BOLEKHOV SITE NOT COVERED. NO NEW MRBM OR IRBM
ACTIVITY OBSERVED IN CLEAR PORTIONS OF SEARCH AREA.
ONLY ONE-THIRD OF SEARCH AREA VISIBLE.

25X1

KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE 4924N 02708E

SITE APPEARS TO BE IN LATE STAGE OF CONSTRUCTION.
NO NEW SSM ACTIVITY OBSERVED IN SEARCH AREA.

25X1

VLADIMIR VOLYNSKIY HARDENED MRBM/IRBM SITE 5048N 02442E

SITE IS IN A LATE STAGE OF CONSTRUCTION OR IS
COMPLETE. NO NEW SSM ACTIVITY OBSERVED WITHIN 25-NM
RADIUS OF VLADIMIR VOLYNSKIY SITE.

25X1

OTYNIA HARDENED MRBM/IRBM LAUNCH SITE 4848N 02450E

SITE APPEARS TO BE IN MIDDLE STAGE OF CONSTRUCTION.
NO NEW SSM ACTIVITY OBSERVED IN SEARCH AREA.

25X1

BRODY HARDENED MRBM/IRBM LAUNCH SITE 5006N 02512E

SITE APPEARS TO BE IN A LATE STAGE OF CONSTRUCTION OR
IS COMPLETE. NO NEW SSM ACTIVITY OBSERVED WITHIN
25-NM RADIUS OF THE LAUNCH SITE.

25X1

SOKAL HARDENED MRBM/IRBM SITE 5020N 02426E

SITE APPEARS TO BE COMPLETE. NO NEW SSM ACTIVITY
OBSERVED WITHIN 25-NM OF THE SITE.

25X1

TOP SECRET

TOP SECRET

25X1

NPIC/R-156/62

25X1

LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE 5624N 02336E

LIELELEJA SITE AREA IDENTIFICATION ONLY. NO NEW SSM
ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF LIELELEJA.
POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1

KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER 4835N 04545E

ONLY THE SAM LAUNCH COMPLEX, PART OF THE AREA NORTH
OF IT, AND THE TOWN OF KAPUSTIN YAR OBSERVED. NO
APPARENT CHANGE SINCE MISSION [REDACTED] IN
AREAS OBSERVED.

25X1
25X2

25X1

25X1

SARY SHAGAN ANTIMISSILE TEST CENTER 4602N 07334E

FACILITIES COVERED INCLUDE LAUNCH COMPLEX A (PARTIAL
COVERAGE), LAUNCH COMPLEX B, THE AIRFIELD AND DIRT
STRIP, SUPPORT BASE, INSTRUMENTATION SITES 1, 2, 3,
4, 12, POSSIBLE INSTRUMENTATION SITE 14, AND
COMMUNICATIONS SITE 3. THE LAUNCH SITES AT LAUNCH
COMPLEX A AND POSSIBLE INSTRUMENTATION SITE 13 ARE NOT
DISCERNIBLE OR ARE TOO INDISTINCT FOR INTERPRETATION.
NO SIGNIFICANT CHANGE IS OBSERVED IN THE SUPPORT BASE
OR LANDING STRIP. THE 3 STRUCTURES OBSERVED UNDER
CONSTRUCTION AT LAUNCH COMPLEX B ON MISSION [REDACTED]

25X1

25X1

[REDACTED] APPEAR COMPLETED AND THOSE AT
INSTRUMENTATION SITE 1 EITHER COMPLETED OR NEARING
COMPLETION.

25X1

TOP SECRET

25X1

TOP SECRET

25X1

NPIC/R-156/62

25X1

KAMCHATKA PENINSULA SUSPECT ABM AREA 5600N 16000E

APPROXIMATELY 20 PERCENT OF THE SEARCH AREA WAS VISIBLE. HEAVY SNOW IN THE NORTHERN PORTION OF THE SEARCH AREA HAMPERED IDENTIFICATION OF FACILITIES. UKA TRACKING SITE IS APPARENTLY UNCHANGED. A NEWLY IDENTIFIED LIAISON-TYPE SE/NW LANDING STRIP IS LOCATED 5 NM WEST OF VERKHNE-OZERNAYA AT 57-21N 161-39E.

NO NEW LARGE RADARS, LAUNCH SITES, INSTRUMENTATION, OR COMMUNICATIONS FACILITIES WERE OBSERVED.

25X1

OZERNYY SSM SEARCH 6624N 17906E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF OZERNYY.

25X1

BALTIYSK NAVAL BASE 5439N 01955E

VESSELS -- APPROXIMATELY 6 UNIDENTIFIED VESSELS INCLUDING AT LEAST 2 POSSIBLE NAVAL VESSELS. SMALL SCALE, HAZE AND OBLIQUITY PREVENT FURTHER IDENTIFICATION.

25X1

KALININGRAD NAVAL MISSILE FACILITIES 5450N 02028E

POOR IMAGE QUALITY AND NUMEROUS TREES PRECLUDE DETAILED INTERPRETATION. NO GROUND SCARRING NOTED IN DOUBLE-FENCED AREA, POSSIBLY SUGGESTING CONSTRUCTION COMPLETE. PROMINENT GROUND SCARRING AT FACILITIES ONE NM WEST SUGGESTS CONSTRUCTION CONTINUES THERE.

25X1

20

TOP SECRET

25X1

TOP SECRET

25X1

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25X1

[REDACTED] SVERDLOVSK SUSPECT ABM AREA 5650N 06037E

NO HEN HOUSE OR OTHER ABM-RELATED ACTIVITY OBSERVED
IN CLEAR PORTIONS OF SEARCH AREA SE OF SVERDLOVSK.

25X1

25X1

[REDACTED] MOSCOW SUSPECT ABM AREA 5545N 03737E

NO ABM-RELATED INSTALLATIONS RESEMBLING THOSE AT
SARY SHAGAN OR LENINGRAD OBSERVED IN CLEAR PORTIONS
OF MOSCOW SEARCH AREA.

SEARCH TO EAST AND SE WAS LIMITED BY SCATTERED-TO-
HEAVY CLOUDS AND HAZE.

PHOTO COVERAGE OF MOSCOW URBAN COMPLEX IS CLEAR AND
EXTENDS APPROXIMATELY 60-NM WEST.

25X1

25X1

[REDACTED] CHITA SUSPECT ABM AREA 5254N 11332E

AREA WHERE THE TWO 570-FT CIRCULAR AREAS WERE
IDENTIFIED ON MISSION [REDACTED] NOW CONTAINS 3
CIRCULAR AREAS (2 MAY BE THOSE PREVIOUSLY IDENTIFIED).
(SEE ATTACHMENT 4.) APPROXIMATELY 5 NM SOUTH OF THE
CIRCULAR AREAS ARE 3 CLEARED AREAS (2 WERE VISIBLE
ON MISSION [REDACTED] AND ALL 3 APPEARED TO BE
UNDER CONSTRUCTION ON MISSION [REDACTED] HAZE
PRECLUDES FURTHER INTERPRETATION OF ACTIVITY IN THESE
CLEARED AREAS. NO COMMUNICATIONS FACILITIES WERE
IDENTIFIED.

25X1

25X1

25X1

25X1

[REDACTED] KOMSOMOLSK SUSPECT ABM AREA 5200N 13700E

25X1

NO ABM FACILITIES OBSERVED IN CLEAR PORTIONS OF
SEARCH AREA. APPROXIMATELY 20 PERCENT OF EASTERN
PORTION VISIBLE ON CLOUD-FREE PHOTOGRAPHY.

25X1

TOP SECRET

25X1

TOP SECRET

25X1

NPIC/R-156/62

25X1

[] FERGANA AMM AREA SEARCH 4022N 07144E

NO INDICATIONS OF AMM OR COMMUNICATIONS FACILITIES
OBSERVED IN SEARCH AREA.

25X1

25X1

AIRFIELDS

[] ENGELS AIRFIELD 5129N 04611E

AIRCRAFT -- 32 LARGE SWEEP-WING ON PARALLEL TAXIWAY
AND 2 ON SMALL HARDSTAND NORTH OF TAXIWAY, 10 MEDIUM
SWEEP-WING AIRCRAFT ON STANDS AT OPPOSITE ENDS OF
PARALLEL TAXIWAY AND 2 ON APRON BEYOND WEST END OF
TAXIWAY. THREE STRAIGHT-WING UNIDENTIFIED AIRCRAFT ON
GRASS BETWEEN RUNWAY AND TAXIWAY AT WEST END OF FIELD.
NO AIRCRAFT IN LOADING AREA.

25X1

[] UKRAINA AIRFIELD 5110N 12826E

AIRCRAFT -- AT LEAST 9 LARGE AIRCRAFT ALONG EAST
TAXIWAY, 16 MEDIUM ON SE PARKING APRON, AND
UNDETERMINED NUMBER OF POSSIBLE AIRCRAFT ON WEST
TAXIWAY. []
FACILITIES SINCE MISSION [] POOR IMAGE
QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1

25X2

25X1

25X1

25X1

[] RYAZAN/DYAGILEVO AIRFIELD 5439N 03935E

AIRCRAFT -- 30 UNIDENTIFIED AIRCRAFT ON HARDSTANDS
ALONG LOOP TAXIWAY.

25X1

25X1

[] ALEKSEYEVSKOYE AIRFIELD 4915N 14014E

RUNWAY AND TAXIWAYS CLEARED OF SNOW. FACILITIES AND
AIRCRAFT, IF ANY, OBSCURED.

TOP SECRET

25X1

TOP SECRET

25X1

NPIC/R-156/62

25X1

[REDACTED]

25X1

[REDACTED]

RAMENSKOYE AIRCRAFT EXPERIMENTAL PLT 5535N 03807E

AIRCRAFT -- APPROXIMATELY 60 UNIDENTIFIED INCLUDING
10 LARGE AIRCRAFT.

25X1

[REDACTED]

25X2

[REDACTED]

TOP SECRET

25X1

TOP SECRET

NPIC/R-156/62

25X2



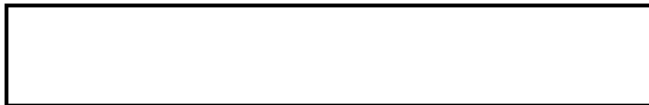
25X1

ELECTRONICS



KILDIN ISLAND INSTRUMENTATION SITE 6922N 03412E

NO TRACKING FACILITIES OR RADAR OBSERVED.



25X1

25X1



SAKHALIN ISLAND ELECTRONICS SEARCH

NO IMPACT AREA INSTRUMENTATION SITES OBSERVED IN CLEAR PORTIONS OF SEARCH AREA.



25X1

25X1



MARKOVO SUSPECT ELECTRONICS FACILITY 6440N 17025E

NO ELECTRONICS FACILITIES IDENTIFIED IN CLEAR AREAS WITHIN A 50-NM RADIUS OF MARKOVO.



25X1

25X1



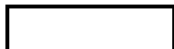
ANADYR SUSPECT ELECTRONICS FACILITY 6444N 17728E

NO ELECTRONICS FACILITIES OBSERVED IN VISIBLE PORTIONS WITHIN 50-NM RADIUS OF ANADYR. EXTENSIVE CLOUD COVER LIMITED SEARCH.



25X1

25X1



SAMODED SUSPECT COMMUNICATIONS FACILITY 6336N 04028E

NO COMMUNICATIONS FACILITIES OBSERVED IN CLEAR AREAS WITHIN 50-NM RADIUS OF SAMODED.

TOP SECRET



TOP SECRET

25X1

NPIC/R-156/62

25X1

BONUS 1. SERPUKHOV RADIO TELESCOPE 5449N 03740E

A ONE-KM CROSSARM ANTENNA ORIENTED N/S - E/W WITH A DISH ANTENNA IS OBSERVED APPROXIMATELY 10 NM SE OF SERPUKHOV. IT IS PART OF THE LEBEDEV INSTITUTE OF PHYSICS. APPROXIMATELY 16 BUILDINGS ARE IN A SUPPORT FACILITY IMMEDIATELY WEST OF THE CROSSARM ANTENNA. SMALL SCALE PRECLUDES FURTHER INTERPRETATION AS TO THE STATUS AND TYPE OF CONSTRUCTION OF CROSSARM ANTENNA.

25X1

COMPLEXES

25X1

HAILAR (HAI-LA-ERH) COMPLEX (CHINA) 4913N 11944E

SMALL INDUSTRIAL INSTALLATION WITH SMOKE EMANATING FROM POSSIBLE STACK OBSERVED IN COMPLEX. POOR IMAGE QUALITY PRECLUDES IDENTIFICATION OF RAILROAD CARS IN CLASSIFICATION YARD.

25X1

25X1

TOP SECRET

25X1

TOP SECRET

25X1

NPIC/R-156/62

25X1

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 9047. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 9047 IN WHICH THE TARGET WAS REPORTED. THE LETTERS NO IN THE OAK COLUMN INDICATE THAT THE TARGET WAS NOT OBSERVED DUE TO ADVERSE WEATHER OR OTHER CONDITIONS, AND THE LETTERS NC INDICATE THAT THE TARGET WAS NOT COVERED BY THE PHOTOGRAPHY.

| COMOR | INSTALLATION NAME | COORDINATES | OAK |
|-------|---------------------------------------|--------------|-----|
| | POLYARNYY URAL SUSPECT ICBM AREA | 6703N 06524E | II |
| | PLESETSK ICBM LAUNCH COMPLEX | 6252N 04040E | NO |
| | YURYA ICBM LAUNCH COMPLEX | 5903N 04919E | I |
| | ARKHANGELSK SUSPECT ICBM AREA | 6432N 04032E | II |
| | VERKHNYAYA SALDA ICBM LAUNCH COMPLEX | 5802N 06023E | NO |
| | TYURA TAM MISSILE TEST CENTER | 4550N 06318E | NO |
| | YOSHKAR-OLA ICBM LAUNCH COMPLEX | 5634N 04803E | NO |
| | SVOBODNYI ICBM LAUNCH COMPLEX | 5146N 12807E | II |
| | DROVYANAYA ICBM LAUNCH COMPLEX | 5132N 11301E | NC |
| | KOSTROMA ICBM LAUNCH COMPLEX | 5750N 04115E | I |
| | ITATKA ICBM LAUNCH COMPLEX | 5650N 08536E | NO |
| | SHADRINSK ICBM LAUNCH COMPLEX | 5605N 06338E | NO |
| | OMSK ICBM LAUNCH COMPLEX | 5503N 07330E | II |
| | PERM ICBM LAUNCH COMPLEX | 5742N 05619E | NO |
| | TEYKOVO ICBM LAUNCH COMPLEX | 5652N 04035E | I |
| | NYANDOMA POSSIBLE ICBM LAUNCH COMPLEX | 6139N 04010E | NO |
| | TYUMEN ICBM LAUNCH COMPLEX | 5652N 06552E | NO |
| | YEDROVO ICBM LAUNCH COMPLEX | 5751N 03341E | II |
| | BELOGORSK SUSPECT SSM AREA | 5055N 12828E | II |
| | GLADKAYA ICBM LAUNCH COMPLEX | 5605N 09212E | I |
| | BRATSK SUSPECT SSM AREA | 5605N 10148E | NO |
| | RZHEV SUSPECT SSM AREA | 5615N 03420E | NO |
| | SVERDLOVSK SUSPECT SSM AREA | 5650N 06037E | NO |
| | NOVOSIBIRSK ICBM LAUNCH COMPLEX | 5516N 08257E | NO |
| | VELSK ICBM SEARCH | 6105N 04207E | NO |
| | KANDALAKSHA SUSPECT SSM AREA | 6709N 03225E | I |
| | MURMANSK SUSPECT SSM AREA | 6858N 03305E | II |
| | VOLOGDA SUSPECT SSM AREA | 5913N 03954E | NO |
| | SHAKHUNYA SUSPECT SSM AREA | 5740N 04637E | NO |

TOP SECRET

25X1

TOP SECRET

25X1

NPIC/R-156/62

25X1

| | | |
|---|--------------|----|
| BEZHETSK SUSPECT SSM AREA | 5747N 03641E | II |
| KIMRY SUSPECT SSM AREA | 5652N 03721E | II |
| KOLOZERO SUSPECT ICBM AREA | 6810N 03320E | II |
| KOZELSK ICBM LAUNCH COMPLEX | 5357N 03548E | II |
| PETROPAVLOVSK SUSPECT SSM AREA | 5452N 06906E | NO |
| KHANTY MANSIYSK SUSPECT SSM AREA | 6101N 06902E | II |
| ABAZA SUSPECT SSM AREA | 5239N 09006E | II |
| NERCHINSK SUSPECT SSM AREA | 5158N 11635E | II |
| PIBANSHUR SUSPECT SSM ACTIVITY | 5752N 05319E | NO |
| CHERNOGORSK SUSPECT SSM AREA | 5352N 09120E | II |
| KOLMAKOVO SUSPECT SSM AREA | 5338N 09229E | II |
| MALINOUKA AREA SSM SEARCH | 5310N 09335E | II |
| KHILOK SUSPECT INSTALLATION | 5122N 11040E | NC |
| SOVETSKAYA GAVAN SUSPECT MRBM AREA | 4859N 14020E | I |
| BARANO ORENBURGSKOYE MRBM LAUNCH SITE 1 | 4416N 13122E | NO |
| KREMOVO POSSIBLE HARDENED IRBM SITE | 4402N 13226E | NO |
| NOVOSYSOYEVKA MRBM LAUNCH SITE | 4411N 13326E | NO |
| NOVITSKOYE MRBM LAUNCH SITE | 4302N 13317E | NO |
| KARANGIT POSS CD (CRUISE) MISSILE LAUNCH SITE | 4502N 03557E | NC |
| TALLINN SUSPECT MRBM AREA | 5924N 02444E | II |
| GVARDEYSK MRBM LAUNCH SITE 2 | 5445N 02109E | I |
| MUKACHEVO MRBM LAUNCH SITE 1 | 4818N 02230E | NO |
| KAMENETS-PEDOLSKIY MRBM LAUNCH SITE | 4851N 02643E | II |
| GRANOV MRBM LAUNCH SITE | 4856N 02930E | II |
| LENINAKAN/YEREVAN SUSPECT MRBM AREA | 4048N 04350E | NC |
| OSTROG MRBM LAUNCH SITE 1 | 5014N 02644E | II |
| KIVERTSY MRBM LAUNCH SITE 1 | 5052N 02531E | II |
| SLAVSK MRBM LAUNCH SITE 2 | 5458N 02127E | I |
| ZNAMENSK MRBM LAUNCH SITE 1 | 5433N 02112E | II |
| GUSEV MRBM LAUNCH SITE 1 | 5441N 02205E | II |
| OVRUCH MRBM LAUNCH SITE 1 | 5117N 02815E | NC |
| KOROSTEN MRBM LAUNCH SITE 1 | 5052N 02818E | NC |
| YELSK MRBM LAUNCH SITE 1 | 5142N 02912E | NO |
| SKALA PODOLSKAYA MRBM LAUNCH SITE 1 | 4851N 02608E | II |
| BALTA MRBM LAUNCH SITE 1 | 4802N 02933E | II |
| BORKHOV MRBM LAUNCH SITE 1 | 5219N 03041E | NO |
| PAPLAKA MRBM LAUNCH SITE 1 | 5624N 02116E | II |
| MOLODETSKOYE MRBM LAUNCH SITE | 4854N 03028E | NO |
| TORVA MRBM LAUNCH SITE 2 | 5759N 02606E | NO |
| KURENETS SUSPECT MRBM AREA | 5433N 02657E | NO |
| ASANOVSHCHINA MRBM LAUNCH SITE | 5731N 02813E | II |
| JONAVA MRBM LAUNCH SITE 1 | 5501N 02414E | II |
| RUSKI MRBM LAUNCH SITE 1 | 5725N 02650E | NO |
| POLOTSK MRBM LAUNCH SITE 1 | 5522N 02843E | NO |
| VORU MRBM LAUNCH SITE 2 | 5749N 02651E | NO |
| IVANOVO MRBM LAUNCH SITE | 5211N 02541E | II |
| DISNA MRBM LAUNCH SITE | 5535N 02815E | NO |
| VEPRIAI MRBM LAUNCH SITE 1 | 5508N 02439E | II |
| KURGANCHA MRBM LAUNCH SITE 1 | 3939N 06556E | NC |

TOP SECRET

25X1

TOP SECRET

NPIC/R-156/62

25X1

| | |
|--|-----------------|
| SIMUNA MRBM LAUNCH SITE | 5908N 02627E NO |
| KROLEVETS MRBM LAUNCH SITE 1 | 5136N 03328E II |
| PRUZHANY MRBM LAUNCH SITE 1 | 5231N 02409E II |
| GRESK MRBM LAUNCH SITE 1 | 5315N 02743E NO |
| KOZYANY MRBM LAUNCH SITE | 5521N 02652E NO |
| POSTAVY MRBM LAUNCH SITE | 5510N 02655E NO |
| YEREVAN SUSPECT MRBM AREA | 4011N 04430E NC |
| LEBEDIN MRBM LAUNCH SITE 1 | 5033N 03426E II |
| TAPA SUSPECT MISSILE AREA | 5916N 02558E NO |
| RAGNIT MRBM LAUNCH SITE | 5502N 02211E I |
| LIDA MRBM LAUNCH SITE 1 | 5347N 02521E II |
| VSELYUB MRBM LAUNCH SITE 1 | 5346N 02543E II |
| DYATLOVO MRBM LAUNCH SITE | 5333N 02516E II |
| BYTEN MRBM LAUNCH SITE 1 | 5253N 02521E II |
| ANASTASYEVKA MRBM LAUNCH SITE 1 | 4835N 13540E NC |
| GROSS STEFFELSDORF SUSPECT MRBM AREA (CZECH) | 4823N 02002E NO |
| ZIPSER NEUDORF SUSPECT MRBM AREA (CZECH) | 4857N 02034E II |
| ZELENA-FRYDEK SUSPECT MRBM AREA (CZECH) | 4941N 01821E II |
| RUZOMBEROK SUSPECT MRBM AREA (CZECH) | 4905N 01919E II |
| BOZNSKA BYSTRICA SUSPECT MRBM AREA (CZECH) | 4844N 01909E NO |
| KRUPA MRBM LAUNCH SITE 1 | 5248N 02442E II |
| BORKOVICHI MRBM LAUNCH SITE | 5541N 02827E NO |
| KARA-BABAU POS MRBM LAUNCH SITE 2 | 4431N 07759E NO |
| AKHTYRKA MRBM LAUNCH SITE 1 | 5016N 02450E II |
| BREST MRBM LAUNCH SITE 1 | 5149N 02401E II |
| ZHMERINKA MRBM LAUNCH SITE | 4910N 02804E II |
| ZHITOMIR MRBM LAUNCH SITE 1 | 5004N 02816E II |
| LIPNIKI POSSIBLE MRBM LAUNCH SITE | 5112N 02826E NO |
| PETRIKOV MRBM LAUNCH SITE | 5210N 02835E NO |
| KIVERTSY MRBM LAUNCH SITE 3 | 5058N 02539E II |
| GRODNO SUSPECT MRBM AREA | 5339N 02350E II |
| VECVARDE SUSPECT SSM AREA | 5634N 02240E II |
| NIGRANDE MRBM LAUNCH SITE | 5631N 02202E II |
| KUSHKA SUSPECT SSM AREA | 3516N 06224E NC |
| RISTI MRBM LAUNCH SITE 2 | 5906N 02406E II |
| KOZHANOVICHI POSSIBLE MRBM LAUNCH SITE 1 | 5210N 02751E NO |
| BERDICHEV MRBM LAUNCH SITE | 5006N 02822E II |
| KROLEVETS MRBM LAUNCH SITE 2 | 5140N 03330E II |
| SHCHUCHIN SUSPECT MRBM AREA | 5336N 02445E II |
| NAVVOY SUSPECT MRBM AREA | 4009N 06522E NC |
| LEJASCIEMS MRBM LAUNCH SITE | 5721N 02644E NO |
| TAURAGE MRBM LAUNCH SITE 3 | 5505N 02219E II |
| MARIJAMPOLE SUSPECT MRBM AREA | 5433N 02321E II |
| SVISLOCH SUSPECT MRBM AREA | 5326N 02859E NO |
| ROZHDESTVENKA MRBM LAUNCH SITE | 4547N 13344E NC |
| UGOLNYY MRBM LAUNCH SITE | 6446N 17758E NO |
| URECHYE MRBM LAUNCH SITE | 5311N 02758E NO |
| TIKSI SUSPECT SSM SITE | 7138N 12852E NO |
| KURDZHIPSAYA MRBM LAUNCH SITE | 4431N 04000E NC |

TOP SECRET

TOP SECRET

25X1

25X1

NPIC/R-156/62

| | | |
|--|--------------|----|
| VENTSPILS SUSPECT MRBM SITE | 5730N 02135E | II |
| ROGAS SUSPECT MRBM SITE | 5654N 02440E | NO |
| KRASKINO MRBM LAUNCH SITE | 4244N 13040E | NO |
| KAMENNY MOST HARDENED MRBM/IRBM LAUNCH SITE | 4758N 03053E | NO |
| SAKI SUSPECT SSM AREA | 4707N 03336E | NO |
| TAYBOLA SUSPECT IRBM/MRBM SITE | 6828N 03316E | NO |
| SKRUNDA HARDENED MRBM/IRBM LAUNCH SITE | 5635N 02149E | II |
| BULZHINO SUSPECT LAUNCH SITE | 5615N 02819E | NO |
| DUBROVO HARDENED MRBM/IRBM LAUNCH SITE 1 | 5228N 03003E | NO |
| DUBROVO HARDENED MRBM/IRBM LAUNCH SITE 2 | 5228N 03004E | NO |
| GRANOV HARDENED MRBM/IRBM LAUNCH SITE 2 | 4849N 02930E | NC |
| SMORGON HARDENED MRBM/IRBM LAUNCH SITE | 5426N 02618E | NO |
| SEMOVKA HARDENED MRBM/IRBM LAUNCH SITE | 4758N 03059E | NO |
| TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 2 | 6830N 03323E | NO |
| BOLEKHOV HARDENED MRBM/IRBM LAUNCH SITE | 4906N 02351E | II |
| KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE | 4924N 02708E | II |
| STRYY HARDENED MRBM/IRBM LAUNCH SITE | 2916N 02343E | NO |
| VLADIMIR VOLYNSKIY HARD MRBM/IRBM LNCH SITE | 5048N 02442E | II |
| GURELOVO HARDENED MRBM/IRBM LAUNCH SITE | 5925N 02852E | NO |
| OTYNYA HARDENED MRBM/IRBM LAUNCH SITE | 4847N 02450E | II |
| ZEMAICIY KALVARIJA HARD MRBM/IRBM LAUNCH SITE | 5610N 02153E | NO |
| BRODY HARDENED MRBM/IRBM LAUNCH SITE | 5006N 02512E | II |
| RUDNYA ZLOTINSKAYA HARD MRBM/IRBM LAUNCH SITE | 5104N 02807E | NC |
| CHAADAYEVKA HARDENED MRBM/IRBM LAUNCH SITE 1 | 5307N 04602E | NO |
| CHAADAYEVKA HARDENED MRBM/IRBM/LAUNCH SITE 2 | 5308N 04602E | NO |
| SOKAL HARDENED MRBM/IRBM LAUNCH SITE | 5020N 02426E | II |
| LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE | 5624N 02336E | II |
| IECAVA HARDENED MRBM/IRBM LAUNCH SITE | 5633N 02420E | NO |
| SHESTOVO HARDENED MRBM/IRBM LAUNCH SITE 1 | 6257N 04012E | NO |
| KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER | 4835N 04545E | II |
| SARY SHAGAN ANTIMISSILE TEST CENTER | 4602N 07334E | II |
| TIEN TSUNG TA WAN MISSILE TEST CENTER (CHINA) | 4107N 10020E | NC |
| TU-KO-MA-CHING POSS MISS PROP TEST FAC (CHINA) | 4051N 10941E | NC |
| KAMCHATKA PENINSULA SUSPECT ARM AREA | 5400N 15500E | II |

| | | |
|---|--------------|----|
| EMBA AREA, POSS MISSILE ASSOCIATED FACILITY | 4836N 05758E | NO |
| DNEPROPETROVSK MOTOR VEHICLE PLANT 3 (DAZ) | 4826N 03459E | NC |
| MOSCOW/KHIMKI GUIDED MISSILE PLANT 456 | 5554N 03727E | I |
| MOSCOW/KALININGRAD GUIDED MISSILE PLANT NO 88 | 5555N 03748E | I |
| ZAGORSK SUSPECT STATIC TEST FAC KRASNOZAVODSK | 5627N 03812E | I |
| KURUMUCH ROCKET ENGINE TEST FACILITY | 5331N 04949E | NO |
| MOLOTOV ARMS PL MOTOVILIKHA MOLOTOV 172 | 5802N 05617E | NO |
| MOLOTOV AIRCRAFT ENGINE PLANT STALIN 19 | 5759N 05614E | NO |
| KRASNOYARSK ARMS PLANT VOROSHILOV NO 4 | 5600N 09269E | I |
| KRASNOYARSK STATIC TEST STAND | 5605N 09327E | I |
| KUYBYSHEV AIRCRAFT ENGINE PLANT FRUNZE 24 | 5312N 05017E | NO |
| KUYBYSHEV AIRFRAME PLANT STALIN 1 | 5313N 05018E | NO |
| KUYBYSHEV AIRFRAME PLT LENIN OR VOROSHILOV 18 | 5313N 05019E | NO |
| OMSK AIRCRAFT PLANT STALIN 166 | 5458N 07326E | NO |

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| OMSK AIRCRAFT ENGINE PLANT BARANOVA 29 | 5457N 07326E | NO |
| OMSK ROCKET ENGINE TEST FACILITY | 5527N 07322E | I |
| SVERDLOVSK SUSPECT STATIC TEST STAND | 5652N 06037E | NO |
| UFA A/C ENGINE PLANT A 26 | 5447N 05607E | NO |
| UFA A/C ENGINE PLT B 26 | 5447N 05604E | NO |
| LENINGRAD AIRCRAFT ENGINE PLT 466B (117) | 5959N 03020E | NO |
| KAZAN AIRCRAFT ENGINE PLANT 16 | 5551N 04907E | NO |
| SHCHERBAKOV A/C ENGINE PLT 36 | 5803N 03849E | NO |
| UST-UKHTA, SUSPECT MISSILE PRODUCTION FACILITY | 6334N 05342E | NC |
| TAI-YUAN EXPL & AMMO PROD COMPLEX (CHINA) | 3759N 11233E | NC |
| YIN-CHUAN SUSPECT MISSILE ENGINE PLT (CHINA) | 3829N 10619E | I |
| PORT ARTHUR (LU-SHUN) CD CRUISE MSI LNCH SITE | 3849N 12127E | I |

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| NOVE MESTO POD SUSPECT MISSILE AREA (CZECH) | 5056N 01515E | I |
| MEDVED SUSPECT MPRM AREA | 5818N 03031E | NO |

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| MARTSIENA POSSIBLE MISSILE SUPPORT INST | 5647N 02607E | NO |
| CHENG-HSIEN SUSPECT MISSILE AREA (CHINA) | 3445N 11340E | NC |
| OZERNYY SSM SEARCH | 6624N 17906W | II |
| AMDERMA SUSPECT MISSILE AREA | 6545N 06139E | I |
| STARAYA RUSSA SUSPECT MISSILE AREA | 5800N 03123E | NC |
| ZAPOLYARNYY SUSPECT MISSILE AREA | 6926N 03051E | I |
| LIEN-SHAN CRUISE MISSILE LAUNCH SITE (CHINA) | 4042N 12052E | I |
| PANG-CHIANG SUSPECT MISSILE AREA (CHINA) | 4250N 11301E | NC |
| HO-FEI AIRFIELD (CHINA) | 3151N 11719E | NC |
| NONKODJADJAR RPTD MISSILE SITE (INDONESIA) | 0754S 11237E | NC |
| LYALICHI SUSPECT SSM AREA | 4401N 13226E | NO |
| ZAKOPYTYE SUSPECT SSM AREA | 5225N 03130E | NO |
| FU CHOU TO TANG-KU MISSILE SEARCH (CHINA) | 2605N 11918E | NC |
| SEVERODVINSK (MOLOTOVSK) SHIPYARD 402 | 6434N 03949E | NO |
| SEVEROMORSK SUSPECT MISSILE STORAGE | 6906N 03328E | NO |
| KOMSOMOLSK SHIPYARD AMUR 199 | 5033N 13702E | NC |
| SAYDA GUBA SUBMARINE BASE | 6915N 03321E | NO |
| BALTIYSK NAVAL BASE | 5439N 01955E | II |
| OLENYA GUBA SUBMARINE BASE | 6913N 03323E | NO |
| POLYARNYY NAVAL BASE | 6912N 03328E | NO |
| LITSA BAY SUBMARINE BASE | 6926N 03215E | NO |
| PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE | 5255N 15830E | NO |
| VLADIMIR SUBMARINE BASE | 4354N 13530E | NC |
| VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 | 4306N 13156E | NO |
| PROMYSLOVKA NAVAL COMPLEX | 4300N 13220E | NO |
| KALININGRAD NAVAL MISSILE FACILITIES | 5450N 02028E | II |
| SEVASTOPOL POSS NAVAL MISSILE STGE | 4436N 03340E | NO |
| SVERDLOVSK SUSPECT ABM AREA | 5650N 06037E | II |
| MOSCOW SUSPECT ABM AREA | 5545N 03737E | II |
| LENINGRAD SUSPECT ABM AREA | 5955N 03020E | NO |
| CHITA SUSPECT ABM AREA | 5254N 11332E | II |
| KOMSOMOLSK SUSPECT ABM AREA | 5200N 13700E | II |
| BRATSK SUSPECT ABM AREA | 5654N 10030E | NO |

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| FERGANA AMM AREA SEARCH | 4022N 07144E | II |
| KALIDJATI AIRFIELD (INDONESIA) | 0633S 10740E | NC |
| CHEPELEVKA AIRFIELD | 4947N 03026E | NC |
| DOLON AIRFIELD | 5032N 07912E | NO |
| ENGELS AIRFIELD | 5129N 04611E | II |
| SIAULIAI AIRFIELD | 5553N 02323E | I |
| UKRAINA AIRFIELD | 5110N 12826E | II |
| BARANOVICHI AIRFIELD | 5306N 02603E | I |
| MINSK/MACHULISHCHE AIRFIELD | 5347N 02734E | NO |
| OLENYA AIRFIELD | 6809N 03327E | NO |
| STRYY AIRFIELD | 4914N 02348E | NC |
| SREDNIY AIRFIELD | 7930N 09110E | NC |
| GOFMANA AIRFIELD | 8116N 06015E | NC |
| BELAYA AIRFIELD | 5254N 10335E | I |
| BYKHOV AIRFIELD | 5331N 03012E | NC |
| MOZDOK AIRFIELD | 4347N 04436E | NC |
| PITU AIRFIELD (INDONESIA) | 0203N 12818E | NC |
| KALININGRAD/PROVEREN AIRFIELD | 5446N 02025E | I |
| PRILUKI AIRFIELD | 5034N 03219E | NC |
| POLTAVA AIRFIELD | 4937N 03430E | I |
| ORSHA SOUTHWEST AIRFIELD | 5426N 03018E | NO |
| BELAYA TSERKOV AIRFIELD | 4947N 03001E | NC |
| RYAZAN/DYAGILEVO AIRFIELD | 5439N 03935E | II |
| ZHITOMIR/SKOMOROKHI AIRFIELD | 5010N 02844E | NC |
| NEZHIN AIRFIELD | 5105N 03152E | NC |
| ANISOVO GORODISHCHE AIRFIELD | 5414N 03422E | I |
| GOMEL/PRIBYTKI AIRFIELD | 5218N 03110E | NC |
| BOBRUYSK AIRFIELD | 5306N 02912E | NC |
| ALEKSEYEVSKOYE AIRFIELD | 4914N 14012E | II |
| ASPIDNOYE AIRFIELD (AMBARCHIK) | 6922N 16135E | NC |
| VORKUTA EAST AIRFIELD | 6727N 06413E | NC |
| OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD | 7056N 17937W | NO |
| RAMENSKOYE AIRCRAFT EXPERIMENTAL PLT | 5535N 03807E | II |

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YU-SHU AIRFIELD (CHINA) 3255N 09647E II
HSIA-HO, PROBABLE RESEARCH INSTITUTE (CHINA) 3515N 10228E NC

FORT BAYARD (CHAN CHIANG) TSAMKONG NAVAL BASE 2112N 11024E NO
TANDJUNGPRIOK, PORT FACILITIES (INDONESIA) 0603S 10654E NO
SURABAJA, NAVAL BASE (INDONESIA) 0712S 11244E NO
AMBOINA, PORT (INDONESIA) 0342S 12812E NO

25X2

[REDACTED]

LU-HSIEN EXPLOSIVES PL, 23RD ARSENAL (CH) 2853N 10523E NC

25X2

25X1

[REDACTED]

KILDIN ISLAND INSTRUMENTATION SITE 6922N 03412E II
SAKHALIN ISLAND ELECTRONICS SEARCH N E II
MARKOVO SUSPECT ELECTRONICS FACILITY 6440N 17025E II
BARANOVKA SUSPECT ELECTRONICS FACILITY 4648N 13721E NC
ANADYR SUSPECT ELECTRONICS FACILITY 6444N 17728E II
SAMODED SUSPECT COMMUNICATIONS FACILITY 6336N 04028E II
NING-MING, TRANSSHIPMENT POINT (CHINA) 2212N 10705E NC
HAILAR (HAI-LA-ERH) COMPLEX (CHINA) 4913N 11944E II

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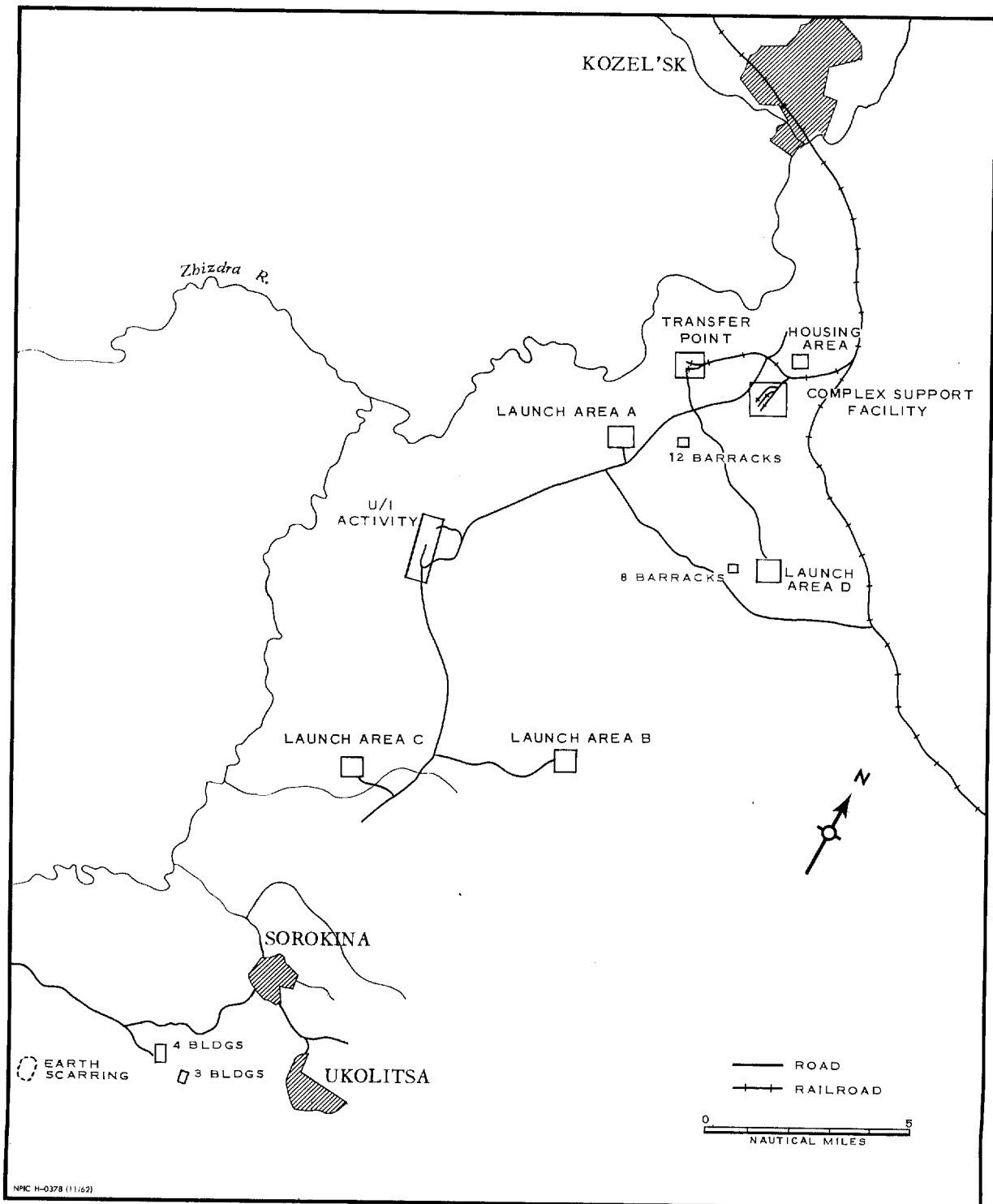
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ATTACHMENT 3



ICBM LAUNCH COMPLEX, KOZEL'SK, USSR. Newly identified items are shown in red.

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